JESO TECH SYSTEMS

SURVEYING EQUIPMENTS DESCRIPTIONS

Equipment Name & Image	Product Description & Prices

TOTAL STATIONS

Topcon PS **Robotic Total Station**

Product Highlights

Range of 3,280' to 19,684'
Internal memory of 500 MB
Rechargeable battery with 4 hours of energy
Water and dust proof rating of IP-65

Touchscreen

Please select either the 1", 3" or 5" accuracy option of your choosing.

We recommend that this product is purchased with:
- Topcon RC-5 Robotic Kit
- Topcon Tesla Field Controller
- Topcon Tesla Bracket
- Topcon Magnet Field +Robotics Software

Overview for the Topcon PS Robotic Total Station

The Topcon PS Robotic Total Station is the number one, fully-robotic solution for all surveying work. The total station itself comes fully equipped with Magnet Field on board software as well as TS shield, which provides firmware updates and anti-theft solutions. The PS has the ability to function as a reflectorless station as well as a conventional total station with the use of a standard prism. Its two Li-ion batteries guarantee a full 8 hours of use and its IP65 rating enables the PS to endure dust, water and temperature changes.

To become a fully robotic system, the PS total station uses internal "Longlink" bluetooth communication to connect to a data collector via the RC-5 remote controller. Once connected, the RC-5 has the ability to send a signal to the total station to quickly acquire and track the robotic prism (included in the RC-5 kit) as you move the pole. When the data collector is also connected, accurate shots can be collected on the fly and are easily transferable to office software by USB or serial cable.

What's in the Box	
Topcon PS robotic total station 213067102 - Available in 1", 3" and 5" accuracies	Wiping cloth
BDC70 Detachable Li-ion battery (2)	USB memory & manual data
CDC68 Battery charger	USB memory key sticker
115VAC Power cable for BDC68/70	Laser use card
Stylus pen	Registration card(2 yr)
Lens cap	Standard package list
Lens hood	Address list
Tool pouch	Registration manual
Screwdriver	MAGNET registration card
Lens brush	MAGNET registration procedure
Adjusting pin straight type	Case sticker (PS series)
Adjusting pin round type	Quick-start manual
Vinyl cover	Carrying strap
	Carrying case (large size)

Price = $24,000.00

Sokkia CX 101 1 Second Reflectorless **Total Station** 2140312

Product Highlights

10,000-point internal memory
1,640 foot range
Long-range Bluetooth
Laser plummet and pointer
USB and RS232 serial port
Security and maintenance software
36-hour battery life
Water resistant and dustproof to IP-66
Dual graphic LCD display

Specifications for the Sokkia CX 101 1 Second Reflectorless Total Station

Applications and Functions	General	What is in the Box?
• Surveying and Construction • Mapping and GIS (geographic information systems) • Utilities • Environment Studies • Geomarking • Archaeology • Accident Reconstruction ***Functions*** Coordinate Measurement Point, Angle and Distance Stake Out, Stake Out Line, Offsets, Missing Line, Remote Elevation, Resection, Area Calculation	- Weight 12.3 lbs (5.6kg) - Dimensions 7.5 in x 7.1 in x 13.7 in (191 mm x 181 mm x 348 mm) - Protection Class IP66 (protected against access to hazardous parts, dust-tight; protected against powerful water jets and heavy seas) - Tripod Thread 5/8 x 11 in. - Auto Shut Off 5 levels (selectable) - Internal Memory; 10,000 points - Tribrach: fixed - Guide Light green and red LED, Working range: 4.3 ft to 492 ft (1.3 m to 150 m)	Sokkia CX 101 1 second reflectorless total station 2140312E0 Hard carrying case Industrial grade USB stick Strap for carrying total station BDC70 Li-Ion rechargeable battery CDC68 battery charger Screwdriver Adjusting pins (2) Tool pouch Laser caution sign board Lens brush Lens hood Lens cap Cleaning cloth User manual 2-year warranty

Price $14,000.00

JESO TECH SYSTEMS (T) - MWANZA

Leica Flexline TS06 Plus 2 Second Reflectorless **Total Station** with Bluetooth 6006191

Product Highlights

- 100,000-point internal memory
- 1,640 foot range
- R500 reflectorless
- Laser pointer and plummet
- Built in advanced field and office software
- 30-hour battery life
- Illuminated black and white LCD display
- Full alphanumeric keypad
- Dual USB ports

Price: $11,740.00

Specifications

Features	General	What is in the Box?
• 2-second accuracy • 100,000-point internal memory • Bluetooth • 1,640 foot range • R500 reflectorless • PinPoint laser technology • Laser plummet • Regular and mini USB ports • Advanced FlexField software with standard functional programs • FlexOffice software helps you effectively view and manage data on your PC • Setup wizard for quick setup • User-defined softkeys • Graphic icons let you check your control panel at a glance • Up to 30-hour battery life • Water resistant and dustproof to IP-55 • Illuminated black and white LCD display • Alphanumeric keyboard • Theft protection	- Weight: 11.2 lbs (5.1 kg) - Dimensions: 8.9 in x 6.8 in x 12.4 in (22.6 cm x 17.3 cm x 31.6 cm) Warranty1-year - Protection Class: IP55 (protected against dust and water jets) - Internal Memory100,000 points - Software: FlexField Advanced - Tribrach: Removable - Guide LightRed: LED; Working range: 5 m to 150 m (15 ft to 500 ft) ***Applicable for:*** Surveying and Construction, Mapping and GIS (geographic information systems), Utilities, Environment Studies, Geomarking, Archaeology, Accident Reconstruction	• Leica Flexline TS06 Plus 2 second reflectorless total station with Bluetooth 6006191 • Lens hood • Travel case • Tribrach • Li-Ion rechargeable battery • Charger • Car adapter cable • Cleaning cloth • Quick Guide • Manual • 1-year manufacturer's warranty

Nikon DTM-322+ 2 Second Dual Face **Total Station** HQA46450-U

Product Highlights

- The Total Station is light weight and compact
- Backlit Graphic LCD display, dual face
- Full numeric keyboard, dual face
- Large internal memory of 25,000 records
- Internal Bluetooth
- Powered by conventional AA batteries (included)
- 2 Year Warranty
- Extended warranty available

Price: $5,150.00

Features for the Nikon DTM-322+ 2 Second Dual Face Total Station

- Angle accuracy of 2 Seconds (0.6 mgon)
- Standard IR EDM
- Distance Accuracy of 3 mm + 2 ppm
- Distance Range: Up to 2,300m (7,540 Ft) to single prism
- Backlit Graphic LCD display, dual face (128 x 64 pixels)
- Full numeric keyboard, dual face
- Internal memory of 25,000 records
- Internal Bluetooth
- Compact & Lightweight - 5kg (11 Lb.) including the battery
- Powered by conventional AA batteries(included)
- Single axes compensator
- 2 Year Warranty

What's in the Box

- DTM-322+ 2 Second, Main Unit
- Tribrach
- Plastic Carrying Case
- Clip-on Battery Holder
- 1 100V / 240V AA Battery Charger
- 1 North American Plug Adapter Set
- 1 Set of 4 AA Rechargeable Batteries

Stonex R6 2" 600M Total Station w/ Bluetooth

Package includes:

- Instrument unite
- SB21, Li-Ion battery for R5/R6/R9 series [7.4V/4.4Ah, rechargeable]
- SC11, Battery charger for SB21
- CBRTS, USB cable for R series
- ZTR, Tribrach without optical

Product Description

STONEX R6 long range reflectorless Total Station is the high-end optical instrument of the Stonex portfolio. Up to 7.500 m with one prism and 600 m reflectorless distance measurements, 2" angular accuracy, USB & Host USB, Bluetooth, RS232, quadruple axis compensator are only the main features of STONEX R6

Description

Using a STONEX R6 in combination with one STONEX GNSS receiver – S9, S8 or S7G- the surveyor will enjoy the benefits of a Total Survey System: one software, one job file, one field book with GPS and TS measurements.

The 'pin point' EDM footprint – *less than half size compared to well known competitors* -

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plummet (black)
•Carrying case

and the high angular accuracy ensure the surveyor the best possible accuracy regardless of the distance.
The complete range of applications field software will help the surveyor to solve, directly in the field, any geometric calculation, thanks to different COGO functions.
STONEX R6 is rugged: tested against dust and water (IP54), provides the possibility to work in any hard condition.
Key Features:

- Different communications facilities: USB, USB Host, Bluetooth, RS 232
- Long range reflectorless measurements (600 m), with high accuracy pin point EDM
- Wireless Total Survey System in combination with one STONEX GNSS receiver
- Long operation time: up to 9 hours of operation with one battery,
- Optional double keyboards and display, for easy use on field

Price: $10,295.00

CST/berger DGT2 2" **Theodolite**

56-DGT2 - 2 second digital theodolite totally re-designed, with a number of features you have come to expect from CST/berger.

2 second digital theodolite, with a number of features you have come to expect from CST/Berger.

Includes: • Ditital Transit • Hard-shell carrying case • Manual • Batteries • Sunshade • Tool kit • Rain cover • Drying cloth • Plumb bob • 1 Year Manufacturer Warranty

Product Description

• State of the art glass encoder • 2 LCD panels with large, easy-to-read numbers • 2 second horizontal and vertical readout • Crosshair and display panel illumination built-in • Clockwise/Counterclockwise horizontal angle measurement options • Vertical angle measuring; provides three different options plus percentage of grade • Vertical Tilt Sensor monitors the tilt angle in x-axis • Three different ways to read vertical angles • Zero resetting • Auto Power Off Option: if unit is not moved it will shut off in- 20 minutes, 30 minutes or infinity. • Can use rechargeable battery pack, or 4 AA Alkaline batteries. Average runtime of 15 hours using alkaline batteries. • Optical plummet • Water resistant, sealed construction • Removable tribrach for multiple set-ups

Specifications • Magnification: 30X • Field of View: 1 Degree, 30-ft • Angle Accuracy: 2 seconds • Min. Focus: 4.27-ft (1.3m) • Resolving Power: 3.5-in • Tripod Thread: 5/8-in-11

Benefits: • The DGT2 features 2" angular accuracy with a vertical tilt sensor that compensates telesocpe transiting to allow for instrument set up acuracy. • When Projecting a line or plumbing columns or walls, the DGT2 will state to user the actual variance in true plumb and allow user to accurately and quickly turn the instrument back to a plumb position. • The DGT2 features dual digital displays and a simple 6-key user interface that makes using the instrument very simple and easy. • The DGT2 inclused an optical plummet that allows the user to align instrument directly over a reference point without having to use the old plumbob method. • The telescope is 30X and the minimum focus is 53". • The DGT2 also features a 1:100 stadia ratio that allows operators to quickly estimate distances in the field. • Working range is approximately 450' in radius.

PRICE: $4,500

LEVELS (Auto, Manual, Digital, Electronic and Dumpy Level)

SOKKIA B20-25 40x **Auto Level** w/ Horizontal Circle

Features:

- Incorporates the most Precise and Reliable Automatic Compensator available in the market
- Superior Telescope provides exceptionally bright and sharp view that reduces operator's eye strain
- Quick Collimation for fast and easy aim

Sokkia B series automatic levels feature enhanced reliability under all environmental conditions. Tough and compact bodies are more tightly sealed against water, humidity and dust (IPx6). The B series levels provide quick setup, easy sighting, and superior durability against vibration and shock, ensuring the increased productivity over an extra-long period of time.

Precise, Reliable Automatic Compensator
The B series levels incorporate the most precise and reliable compensator available in the market today. The technological superiority of the Sokkia automatic levels has been proven since the release of the best-selling B2 model in1963. Four super-high-tensile suspension wires and magnetic damping system ensure accuracy and stability even when exposed to temperature changes, vibration or shock.
Rapid, Easy Setup
A domed-head tripod makes setting up faster and easier even on inclined, uneven grounds. The B series levels also fit flat-head tripods. The circular level can be seen on a pentaprism or plane mirror located beside the telescope eyepiece.

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Price: $1,900

Features	General
Specifications • Telescope Length 215 mm (8.46 in.) • Magnification 40x • Objective Aperture 42mm (1.65in.) • Resolving Power 3" • Field of View (at 100m/328 ft.) 1°20'(2.3m / 7.5ft.) • Minimum focus 0.2m (7.9in.) from end of telescope 0.3m (1ft.) from instrument center • Image Erect • Reticle Pattern Wedge • Stadia Constant 0 • Stadia ratio 100 • Focusing knob 2-speed Sighting aid • Peep Sight Retractable Retractable	Accuracy (standard deviation for 1km double run leveling) Without micrometer 0.7 mm (0.03 in.) With Micrometer 0.5 mm (0.2 in.) Compensator Type Pendulum compensator with magnetic damping system Setting Accuracy 0.3" Working range ±15' Circular level Sensitivity 10' / 2mm Mirror Pentaprism Horizontal Circle Diameter 103mm (4.1 in.) Graduations 1degree/ 1 gon General Horizontal motion drive Clampless, endless, double-sided knobs Water resistance IPX6 (IEC 60529:2001) Operating temperature -20 to + 50 degree C (-4 to +122 degree F) Size: Width x Length x Height 130mm (5.12in.) x 215mm (8.46in.) x 140mm (5.51in. Weight 1.85kg (4.1 lb.)

Nikon AS-2C 34X Auto Level w/ Circle

Product Description
AS-2C Automatic Level is equipped with horizontal circle, and waterproof airtight telescope.

Magnification: 34x Accuracy: ± 0.8 mm (1km double run leveling); ± 0.4 mm with plane parallel micrometer Compensator: Wire hung, air damper

Price: $ 2,200

Leica Joggar 32 w/ Level Tripod & Rod Package

Great features and great performance:
- Choice of magnification: 20x, 24x, 28x, and 32x
- Automatic, air-damped compensator
- Smooth, double-sided endless fine drive for easy and precise targeting
- Horizontal circle with 360° division

Quality and Endurance:
- Water resistant (IP54) for instrument

Jogger 32 level with tripod and rod package.
1. Leica Jogger 32 is the most economical Automatic Level designed specifically for general construction applications.
Fit for Work – Great features and great performance:
- Magnification: 32x
- Automatic, air-damped compensator
- Smooth, double-sided endless fine drive for easy and precise targeting
- Horizontal circle with 360° division

Fit for Work – Quality and Endurance:
- Water resistant (IP54) for instrument use under harsh environmental conditions
- 1 year warranty and access to the worldwide Leica Geosystems network of service and support centers

Technical Data	Jogger 32
Standard deviation per 1 km double-run level	2.0 mm
Magnification	32x
Shortest focusing distance	1 m
Compensator Working range	±15'
Compensator Setting accuracy	0.5"
Operating temperature	-20°C to +40°C
Weight (net)	1.5 kg

2. Lightweight aluminum tripod is ideal for leveling applications.
Features:
- Lightweight and durable
- Sling strap for easy hand or shoulder carrying

Specifications:

use under harsh environmental conditions

- 1 year warranty and access to the worldwide Leica Geosystems network of service and support centers

Price: $ 1,500

- Tripod material — Aluminum
- Tripod head — Flat
- Base thread size — $^5/_8$" x 11
- Clamp style — Quick clamps
- Height — Collapses to 38" and extends to 60"

3. NAR14T 14' telescoping grade rod graduated ft/10ths/100ths; 4-section form Northwest Instrument.

NAK2 Universal Automatic Level

NA2 Series

Leica NA2 and Leica NAK2 are two universal automatic levels meet all the requirements of precision leveling. Leica's top-class optical quality gives the NA2 & NAK2 a bright high contrast image.

- push button compensator check
- endless horizontal drive for left and right handed users
- coarse and fine focusing knob
- play-free foot screws
- optional eyepieces available
- top-class optics

Price $ 2,995

Technical Data	NA2 / NAK2
Accuracy (Per 1km double run)	0.7 mm (dependent on staff, technique) 0.3 mm (with parallel-plate micrometer)
Magnification	Standard: 32x FOK73 eyepiece (optional): 40x
Shortest focusing distance	1.6 m
Compensator setting accuracy	0.3"

To improve accuracy a parallel plate micrometer can be fitted over the telescope objective. The parallel plate micrometer permits direct readings to 0.1mm and estimated readings to 0.01mm. This makes the NA2 and NAK2 an ideal precise level for deformation studies or industrial measuring tasks.
The NAK2 model has an internal glass circle for reading horizontal angles. Combined with the stadia calculation of distances from staff readings the NAK2 circle adds the application benefit of detail survey work.

Electric Level

Sokkia DSL1X Digital Level

Eight "industry's first" features

1. 0.2mm precision (ISO17123-2)
2. Auto Focus for high-end digital level
3. View Finder for quick sighting
4. Remote Trigger for wireless operation
5. Dual-axis tilt sensor that ensures precision
6. SD card slot for data storage
7. 100m (320ft.) Bluetooth® wireless communication
8. Staff with ±0.1ppm/°C linear expansion coefficient

Product Description

The new digital level SDL1X is designed to achieve the highest precision and productivity in leveling and height measurement applications. From Intelligent Auto Focus to wireless operation, a number of innovative technologies are implemented for unmatched productivity while eliminating error factors during measurement. The SDL1X sets the ultimate benchmark in precision digital levels.

0.2mm precision

The SDL1X achieves 0.2mm precision when used with the SOKKIA original New Super-Invar RAB-Code Staff BIS30A that features the industry's lowest linear expansion coefficient of ±0.1ppm/°C. Standard Invar Staffs provide 0.3mm precision.

Saving up to 40% of time

The "Auto Focus" and the quick sighting "View Finder" reduce measurement time by up to 40 percent compared to manual focus digital levels.

Intelligent Auto Focus

- SDL1X automatically focuses exclusively on the RAB-Code Staffs, increasing productivity by eliminating false focusing on undesirable objects.
- Precise auto focus eliminates loss of accuracy due to incomplete focusing.
- Manual focusing is possible without switching modes by simply rotating the focusing knob that supersedes the auto focus.

Measurement and Recording Programs

- Onboard software supports height difference measurement and data recording in the following procedures: BF, BFFB, BBFF, BFBF, aBF, aBFFB, aFBBF
- Measurement tolerance can be set in each route for on-site accuracy checks.

Price: $6,999

SCANNER

Stonex X300 Laser Scanner

Price $45,950

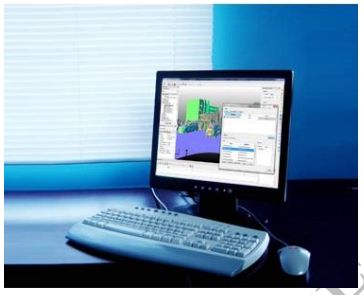
Stonex X300 is the best solution for any application, balancing economic efficiency and highly accurate outputs. The sealed external case protects optic and EDM components allowing the scanner to operate in dusty environments without risk of damaging sensitive parts.

Thanks to its easy of use and the astonishing relationship between costs and operating performance, the Stonex X300 scanner can be used to successfully carry out large-scale campaign of 3D data collection such as digital cities applications.
Stonex also provides an efficient and reliable software system for handling and processing the 3D data (point clouds), thus allowing to obtain surfaces (meshes) complemented by high quality images.

KEY FEATURES

- Compact 3D scanning station: everything you need is carried in a handy suitcase
- Solid and lightweight (only 7 kg battery included)
- Simple and intuitive interface for high productive fieldwork use
- Working out of the box: ready to work in a few minutes, saving time and money
- Ideal for medium-range outdoor applications
- The most efficient and cost effective solution, with excellent price-performance ratio
- Advanced Wi-Fi capabilities: operate the scanner directly from your smartphone (iOs, Android and Windows Mobile supported)
- Two integrated real-time digital cameras 5 Mpx each
- Integrated GNSS measurements with standard GPS surveying equipment
- Fully encapsulated mirror: fully sealed case effective even in harsh environments
- Safe and reliable laser pulse: class 1 eye safe, does not deteriorate over time
- Repeatability of the vertical measurements: the only laser scanner able to repeat scans using the same grid of points
- Count on the reliable Stonex worldwide sales network.

Reconstructor Survey & Mining Combo



To make more effective the use of the x300, Stonex, has developed a powerful and flexible software called Stonex Reconstructor. The Stonex Reconstructor software is based on the well known JRC 3D Reconstructor ® technology. JRC 3D Reconstructor® is a software package worldwide appreciated for 3D laser scanner data processing in several application fields.

Survey Module
The fitting solution to capture, process and analyze 3D data of artefacts acquired with X300 scanner. Elevation, plans, and cross sections, can be extracted. Colored mesh models can be created and fly-through videos recorded.

Mining Module
Specifically designed for open pit mine,

Selected Product Description

	Stonex Reconstructor Survey	Stonex Reconstructor Construction	Stonex Reconstructor Mining
LiDAR data importing	STONEX	STONEX	STONEX
3D Mesh importing	x	x	x
Txt importing	x	x	x
Polyline/trajectory importing	x	x	x
Point cloud filtering and editing	x	x	x
Cloud to cloud best fitting alignment & geo-referencing	x	x	x
Bundle adjustment	x	x	x
Meshing type 1: Uniform & multi-resolution mesh	x	x	x
Meshing type 2: Delaunay mesh for building facade		x	x
Meshing type 3: Topographic mesh - DTM			x
Virtual Scan & points clustering tools	x	x	x
Verification tool for planarity & changes detection maps		x	x
Point cloud color editing		x	
Cross sections	x	x	x
Orthophoto, Cylindrical & Spherical image extraction	x	x	x
Linear distances, areas & link to AutoCAD	x	x	x
Volumes		x	x
Tunneling tools (cross section)			x
Cut and fill volumes			x

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landfill and in general landscape topographical application, the Mining package offers a user friendly software solution for infrastructures and land surveys, mines, landfills, excavations and support to geological analysis and monitoring.

Crest & toe for mining			x
Mesh border edge detection	x	x	x
Annotation & hyperlink to external file	x	x	x
3D Model fly-through video	x	x	x

Price $11,760

FARO Laser Scanner Focus^{3D} X Series

The Focus^{3D} X 330 is specially designed for outdoor applications due its small size, light weight, extra long range, extended scanning possibilities even in direct sunlight and easy positioning with to the integrated GPS receiver.
Distance accuracy up to ±2mm
Range from 0.6m up to 330m
Noise reduction 50%

Product Description

Laser scanner for fast and exact indoor and outdoor measurements in three dimensions: Simply at your fingertips
The smallest and lightest laser scanners on the market - Focus^{3D} X Series are ideal tools for indoor and outdoor applications. The fast and accurate Laser Scanner Focus^{3D} offer everything you might expect from professional 3D laser scanners – with FARO's established and well-known level of simplicity.
Focus^{3D} X 330 offers extra long range - 330m, Focus^{3D} X 130 is a mid-range device offering precise scanning up to 130m.
Both scanner models are equipped with GPS and offer the possibility to perform scanning even in bright sunlight. Remote scanning as well as almost limitless scan data sharing via SCENE Webshare Cloud make the laser scanning solution truly mobile.

FARO Laser Scanner Focus^{3D} X Series
Focus^{3D} X 130
Range Focus^{3D} X 130: 0.6 – 130m
Measurement speed: up to 976,000 points/second
Ranging error: ± 2mm
Integr. colour camera: Up to 70 mio. pixel
Laser class: Laser class 1
Weight: 5.2kg
Multi-Sensor: GPS, Compass, Height Sensor, Dual Axis Compensator
Size: 240 x 200 x 100mm
Scanner control: via touchscreen display and WLAN

Price: $42,995

Bosch D-tect 120 Wall/Floor Scanner D-tect120

Product Highlights
- Easy to read
- Reliable results
- Repeatable results
- Ideal for remodelers, installers, electricians, plumbers, HVAC
- Calibration free
- Center finder
- 3 modes for 4 materials

Overview for the Bosch D-tect 120 Wall/Floor Scanner
Bosch knows just what every professional in the construction industry needs and wants. They are committed to providing solutions that give reliable and consistent results. The D-tect 120 wall/floor scanner gives just that and more. It's got an intuitive, simple interface with super easy usability for on the go use. It's functionality and price point both fall between the DMS 120 and the D-tect 150. See the comparison chart below.

There are two unique features for this scanner, both the center finder and the spot detection. The center finder is a display indication that indicates with an arrow which direction to move the scanner so that you will be over the center of the object below. When you are centered, the center cross lights up. The spot detection allows for reading even in uneven and very small or narrow areas. The yellow LED light and magnifying glass will indicate when the scanner needs to be shifted for a more accurate reading.

Design
The D-tect 120 is compact for easy handling and a minimal storage footprint. The keypad is simple and clear to use. The buttons and functions are labeled with icons to avoid language barriers. Indications include: AC wiring, battery status, sound on/off, center and direction indication, and spot detection

Price: $299.9

Leica Rugby 320 Grade Laser 6003516

Features	What's in the Box
• 3,000 feet operating range • 1/16 inch accuracy at 100 feet • Self-leveling • Single grade from -5 to +25 % • Choice of Rod Eye receiver and battery	• Leica Rugby 320SG single grade laser 6003516 • Rod-Eye Plus with bracket 769810 • Hard carrying case 766413

JESCO TECHSYSTEMS (T) - MWANZA

- Real-time grade matching to easily match an existing slope
- Beam masking allows several lasers to be used onsite
- Bump alert notifies you if device has been moved
- Visible, red laser beam
- 100-hour battery life
- Simple, five-button operation
- Water resistant and dustproof to IP-57
- Backlit graphic LCD display

- Rechargeable NiMH battery pack 739855
- Battery charger 741349
- Universal charger cable 731440
- User Manual
- 2-year manufacturer's warranty

Price: $3,300

GPS/GNSS Receiver

Garmin Oregon 650T Handheld GPS with US Topo Maps

Garmin Oregon 650T Handheld GPS with US Topo Maps
A 3" diagonal touch screen is the heart of the Garmin Oregon 650t. It allows simple operation, is ultra bright and sunlight viewable, and auto switches from portrait and landscape mode. Then throw in the included US Topo maps, 8MP autofocus camera, Bluetooth technology, and rugged design.

Price: $500

Garmin Oregon 650t Details
Each Oregon 650t comes with: Oregon 650t, AA battery charger, 2 AA NiMH batteries, Carabiner clip, USB cable, Owner's manual on disk, Quick start guide and a One-Year Warranty.
Unit Size: 2.4" x 4.5" x 1.3"
Display Size: 3" Diag.
Weight: 6.8 oz.

Garmin Oregon 650t Special Features

- 8 Megapixel auto-focus digital camera built in with automatic geotagging.
- Flashlight "Torch" has multiple brightness levels and a strobe.
- Beautiful, 400 x 240 Resolution, Sunlight Viewable, 3" Color Touch Screen.
- Garmin Topo US 100k Maps Installed in the unit.
- Allows Wireless Exchange of Waypoints, Routes, Tracks and Geocaches.

Garmin Oregon 650t Specifications

# Of Waypoints	# Of Routes	Max battery life / # of batteries	PC Interface Capability	External Antenna	Plotter Type
4000	200 Rev.	16 Hrs. / 2 NiMH	USB Cable Include	NA	Full Mapping

Speed Limitation: 999 MPH.
Supports - Lat/Lon, Loran TD's, UTM/UPS, MGRS , Plus other Grids Including Maidenhead.

Garmin Map Source Topo on MicroSD

Garmin GPS 72H Handheld GPS

Garmin GPS 72H Handheld GPS
Make a splash with the GPS 72H, a lightweight, waterproof handheld that floats. Simple yet robust, the GPS 72H features high-sensitivity GPS and a USB connection along with its large screen.

Garmin GPS 72H Details

Each Garmin GPS 72H comes with: Unit, Wrist strap Owner's manual on disk, Quick start manual, and a One-Year Warranty.
Unit Size: 6.2"H x 2.7"W x 1.2"D
Display Size: 1.6" x 2.2"
Weight: 7.7 oz.

Garmin GPS 72H Specifications

# Of Way-points	# Of Routes	Max battery life / # of batteries	PC Interface Capability	External Antenna	Plotter Type
500	50 Rev.	18 Hrs./2 AA	Req. Cable	None	Track Plotter

Speed Limitation 999 MPH. Supports - Lat/Lon, TD's, UTM/UPS, MGRS, Plus other Grids Including Maidenhead.

Leica Zeno GPS 5 Handheld Data Collector

Product Description

Optimal viewing experience and ergonomics
The Zeno 5 is equipped with a 3.7" VGA colour transflective touchscreen that can be operated

SO TECH SYS - MS (T) - MWANZA

Power for the field without compromises

The Zeno 5 packs full functionality into an ergonomic device – making it the industry's most
powerful, and rugged GPS handheld with full phone functionality. The Zeno 5 features a
high-speed processor, delivering uncompromised performance, fully integrated into the Leica
Zeno GIS series.

- Integrated 3.2 Megapixel camera, and hot-swappable all-day Li-Ion battery
- High-sensitivity GPS receiver supporting 2 – 5 m positional accuracy

by finger or stylus. The display has been designed for optimal viewing, to be sunlight readable
and backlit for darker conditions.

- Pocket-size, lightweight and rugged (IP54), designed for one-handed operation
- Windows® Embedded Handheld 6.5 OS allowing simple and intuitive use

Latest technology to support your field work

The Zeno 5 includes the latest wireless communication technology, light sensors, accelerometer,
gyroscope, digital compass, Wi-Fi and GPS, allowing GPS-supported mapping applications with direct access to the office.

- High-speed communication standards (GSM/UMTS/CDMA, Wi-Fi and Bluetooth®)
- Automated screen rotation, to quickly view a map or document in landscape mode

Price: $2,100

Sokkia GRX2 GNSS Receiver Base & Rover

Product Highlights

- 226 GNSS channels (GPS, GLONASS, GALILEO, SBAS)
- Dual high-frequency antenna
- Integrated Bluetooth
- Compatible with MAGNET Software
- RTK rover operations
- UHFII 440-470
- Voice navigation
- SD card slot and 9-pin serial port
- Up to 7.5-hour battery life
- Water resistant and dustproof to IP-67
- 22 status LED display

Product Description

Overview for the Sokkia GRX2 GNSS Receiver Base & Rover
The Sokkia GRX2 GNSS fully integrated dual constellation receiver brings a new level of versatility and flexibility into your precision applications.

The GRX2 is affordable and scalable with wireless technologies ideal for RTK, network rover or as a static receiver.

Combine it with one of Sokkia's data collectors and Magnet Field and Office software for maximum versatility and convenience, increasing fieldwork efficiency from start to finish.

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What's in the Box	
• Sokkia GRX2 GNSS Receiver • 9-pin serial cable • 100mm Height Adapter • 3m HI Tape • Bayonet adapter • Tribrach without optical plummet • Optical plummet adapter	• UHF 410-440 antenna • 2m Rover pole • Wood wide frame tripod • Battery charger (2) • Rechargeable Li-ion battery (4) • Power cable • 1-year manufacturer's warranty

Price: $25,000

Stonex S8N 120Ch GNSS GPRS

Product Description

Stonex S8N GNSS 120ch. GPRS, no UHF Standard bundle, including:

- S8N GNSS 120ch. GPRS
- Measuring tape [Length=3m (10 ft). Precision=1mm (1/16in)]
- CD with documentation and software for S9GNSS and RTK tutorial (English)
- Multi-port link cable between receiver S9III and PC or controller
- TQX-0918EL, Antenna for GPRS/GSM module S8 / S9 III (2dB)
- PSA18R-120P, Adapter for battery charger CH-S932X84
- S932X84, Battery Charger for BT-S9374
- Standard carrying case for S9III/S8, plastic, yellow

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Suggested accessories for S8/S8N used as a ROVER

- Telescopic carbon fiber pole for GPS S9III-S8-S7, Max Length=2.45m

Price: $7,999

- Screwdriver
- 2 x S9374 Li-Ion battery for S9III/S8 GNSS (7.4V., 2500mAh)

Suggested accessories for S8/S8N used as a BASE:

- Tribrach w/opt. plummet, black
- GPS holder with 5/8" thread, high 12cm
- Cable to connect 30-350072 and car battery - with crocodile clips
- Cable to connect S8/S9III with external car battery - requires cable p/n 30-350071
- 40cm fiber glass mounting pole for S9III/S8, 5/8" thread

Topcon Cellular Hiper SR 10Hz Integrated Long Link GGD Receiver Base System Kit 1003739-01

Price $10,700

Features	What's in the Box
Tracks signals from multi-constellation satellite systems – GPS, GLONASS, SBAS • GNSS receiver board based on Vanguard™ technology • 226-channel Vanguard™ chip • Fence Antenna™ • LongLink™ wireless communication technology • 300 meter RTK communication range from base • Capable of hybrid positioning • Fully integrated design with no cables, antennas, or connectors • Reduced MINTER display • 6 ft drop resistance • IP67-level dust and water resistance • Vibration and shock resistance • USB, serial and power charging ports	• 1 RECEIVER NFS Kits (no box) • 1 RECEIVER BASE ACCESSORIES Kit: ○ 1 Prism Spacer, 100mm (51949)Kit ○ 1 Tribrach w/ Optical Plummet (307796002)Kit ○ 1 3M Measuring Tape (22-050902-01)Kit ○ 1 S2 Tribrach Adapter Model (643856010)Kit • 1 HiPer SR HARDCASE • 1 Power Charger Cables (US Kit) • 1 HiPer SR OAF, LLINK NET, RVR & RELAY BASE, GGD10HZ

SURVEYING SOFTWARE

Sokkia Spectrum Survey Office TS Software 39-090003-01

Price $ 400

Features for the Sokkia Spectrum Survey Office TS Software

- Supports Sokkia GPS/GNSS system, total station, digital level and data collectors
- Import and export various file formats to devices
- Multiple views of your job; CAD, Map and Tabular
- Generate standard report for points, adjustments, quality control and more
- Compatible with Windows XP, Windows Vista and Windows 7
- Various coordinate system
- Powerful adjustment features and reporting
- Use Google Earth image as background

Integrate with Various Field Instruments

With this drafting software, you can import and export a large variety of raw data from Sokkia GIR1600 and GRX1 GPS receivers, Sokkia SDL30 and SDL50 digital levels and Sokkia CX-101 and DX-101AC total stations. It also supports data collectors running Spectrum Survey Field (SSF) software, such as the SHC25, SHC236, SHC250 and SHC2500.

Spectra FAST Survey Field Software Internal GNSS 990645

Features for the Spectra FAST Survey Field Software Internal GNSS Only

- Advanced stakeout routines, volume computation and COGO
- Detailed graphic display
- Tab-based menu structure
- Ultra high frequency radio control and GPRS modem operation
- Produce cutsheet reports
- Compatible with data collectors, GNSS receivers and total stations
- Supports different file formats
- Manage antenna settings, network connections and radio configurations

Customize your Software

You can customize this field software by selecting your desired version from the drop down menu in the upper right hand corner of this page. FAST Survey Field Software is available in two different versions to suit your needs.

Price: $1,000

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Topcon Layout Field Software Layout Field 99-090001-01

Features for the Topcon Layout Field Software Layout Field

- Locate points onsite using surveying equipment such as conventional total stations or data collectors
- Optional support for robotic total stations
- Turn measurements from total stations into graphical data
- Special software features reduce the potential for angular mistakes
- Easy layer management tools help you hide the data you don't want to see or use
- Building pad tool to manually enter building pad perimeters, forms excavation lines and points
- Import projects prepared on your desktop
- Easily enter plan features from paper plans onsite
- Perform surveys and stake-out reports following construction
- Easy-to-use, yet advanced data input and output

Price $ 650

RADIO CALLS and RADIO EQUIPMENTS

Makita BMR100W 18V LXT Lithium-Ion Cordless FM/AM Job Site Radio BMR100W

Price: $ 990

Features for the Makita BMR100W 18V LXT Lithium-Ion Cordless FM/AM Job Site Radio

- Delivers rich stereo sound from two powerful 3-1/4" side-firing speakers
- 10 Preset FM/AM buttons and mp3/iPod® compatible
- Runs 16 hours from an 18V LXT Lithium-Ion battery and 8 hrs. from an 18V Compact Lithium-Ion battery
- Protective bumper design for added durability
- Compact design at only 10.1 lbs.
- Digital backlit quartz display
- Compatible with Makita 9.6V - 24V Slide-Style and Pod-Style Batteries
- LXT Lithium-Ion battery and Rapid Optimum Charger produces 430% total lifetime work with 3x more cycles
-
- Accepts Makita 18V LXT Lithium-Ion battery for even longer run time
- 3-year warranty on radio
- Battery and charger sold separately

MAP FILES and CABINETS

Mayline C File 5 Drawer Steel Flat File 24 x 36 7867CB (Horizontal)

Price: $800

Features for the Mayline C File 5 Drawer Steel Flat File 24 x 36

- For flat storage of large documents
- Outside dimensions: 40¾”L x 35⅜”W x 15⅜”H
- Fits 24” x 36” sheets
- 5 drawers
- Made of heavy-gauge welded steel
- Inside drawer dimensions: 37”L x 25¾”W x 2"H
- Steel drawer glides with ball-bearings for smooth opening and closing
- Anti-curl hoods and document depressors keep paper flat
- Chrome drawer handles
- Weight capacity 40 lbs. per drawer
- Fits 200 sheets per drawer
- Drawers have label holders
- Intertek Green Leaf certified for low chemical emissions
- Available in 4 different colors
- Stackable
- Limited lifetime warranty

MINING EQUIPMENTS

DELTA Mining and Geochemistry Handheld XRF Analyzer

The DELTA Handheld XRF for Mining and Exploration

Olympus is the specialist manufacturer of portable geochemical analyzers for the global exploration and mining industry. Our comprehensive in-house expertise in utilizing technology for field geological scenarios sets us apart from the rest. The advanced analytical performance and broad element suite of the DELTA Mining and Exploration Handheld XRF means there is an Olympus field portable XRF for nearly any geological situation.

The Powerful Handheld XRF that Can Be Taken Anywhere

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OKM Gold Detector (Complete Set)

Specifications

The new 3d ground scanner "Evolution" enforces what the name already promises. This deep scan detector takes another step forward in advanced metal detection technology. It is a stunning blend of functionality, ergonomics and futuristic design.

The device includes the following functionality:

Wireless telescopic probe
LED-light for searching in the dark
Full color display with touch-screen
'Live Sound' mode with VLF metal detector
'3D Scan' mode with GST/EMSR scanner

SURVEYING ACCESSORIES

GST40 Wooden Tripod

For Total Stations, Theodolite, GNSS, Levels etc.

Price: $650

BST01LK Aluminum Tripod

Aluminum tripod BST01LK, light, telescopic, with Quick-action clips, with dome head, for Levels, Theodolite

Price: $190

GDF322 PRO Tribrach with optical plummet

Price: $500

Leica GZR3 Precision Carrier

Price: $850

Leica GPH1P Precision Reflector

Price: $1,800

360° Prism Kit

Price: $800

South 360° Prism Kit
Product Description

- Mounted on pole or Tribrach
- Measurement from any direction
- Copper Coated Prisms
- 5/8" x 11 type adapter and Leica type adapter
- Prism Constant -10mm
- Measuring Range 1200m
- Dimension 157mm x 64mm
- Weight 350g

Leica GPR111 BASIC Circular Prism

Price: $195

2.15m CLS11 Prism Pole w/ Hard Case

Price: $200

Leica GLS112 Reflector Pole

Price: $300

3-Meter 3-Section Range Pole with Bag

Price: $80

Leica GWL92N Industrial Rod

Price: $800

Leica CR-08-T Fiberglass Rod

Price: $70

Leica GKNL4M Dual Face Leveling Staff

Price: $320

Leica Disto D330i Laser Distance Meter with Bluetooth 776748

Price: $500

Measuring Wheel with Paint Marker RRPA182

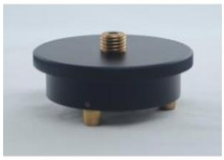
Price: $70

Keson NR **Steel Tape (200')**

Tamaya Planix 6 **Digital**

Johnson Digital Level

Rhino 6' Waterproof **Folding**

NR18200 NR18200 **Price: $90**	**Planimeter** 365161 **Price: $650**	**Inclinometer** 40-6060 **Price: $135**	**Ruler** Tenths/Inches 4770-00 **Price: $20**
Spectra **QM95 Electronic Distance Meter** QM95 **Price: $250**	Bosch GPL2 2-**Beam Plumb** Laser Level **Price: $90**	**Carry Bag** for DIGI System 740307 **Price: $120**	Seco 8.5 Foot **Prism and Prism Pole Kit** Metric 5280-02 **Price: $300**
Sokkia Friction Rotatable Tribrach Adapter 724042  **Price: $45**	**TRI 70 and TA360 DISTO Adapter Kit Bondle** **Price: $250**	**DISTO Soft Case** **Price: $70**	**Leica UC20 Charger** **Price: $55**
Pipehorn 800 Series **Pipe and Cable Locators** Single High-frequency Unit P800H MD820 **Price: $1,500**	**DIGICAT 650I Utility Services Locator 795944** **Price: $1,700**	**Leica Digitex 100t Signal Transmitter 795946** **Price: $850**	**Leica Piper 100 Laser with Remote 748704** **Price: $5,000**
AGATEC RCR500G Laser Detector and Remote Control 775872 **Price: $280**	**Sokkia Heavy-Duty Surveyor's Umbrella 813640** **Price: $160**	**CST/berger Total Station NiMH Battery Pack 56-NMHCTS** **Price: $120**	**Brass 16 oz Plumb Bob (812216)** **Price: $50**
CST/berger Total Station	**SitePro Quick Release**	**Safco Large Vertical Storage**	**Bosch 12V Compact Radio**

Field Case 61-2546 **Price: $245**	**SureGrip Clamp 10-5215** **Price: $85**	**Cabinet 5041 (Tropic Sand)** **Price: $842**	**PB120** **Price: $180**
POINTS TO NOTE:	1. Equipment listed are few with only title presentations; we have many other equipment which in some cases are not seen in this catalog 2. Color may change in relation to its picture, but the quality and performance remains the same. 3. Provided its Surveying or Construction Equipment; **All are available at Jeso Tech Systems (T) Ltd,** regardless you cannot view its image and Description here. 4. Negotiation is done for some products. 5. **Prices listed may change** (Decrease or Increase) depending on the version of equipment, performance, time etc. 6. The currency (USD) are calculated in 1800 Tshs **(i.e. 1USD = 1800Tshs)** 7. The Price mentioned above are **TAX EXCLUSIVE** 8. No any used equipments are provided at Jeso Tech Systems; **All equipments are brand new** in best condition with extremely better work performance 9. Jeso Tech Systems (T) Ltd deliver equipment to any customer in The Lake Zone and Beyond i.e. Mwanza, Shinyanga, Kigoma, Bukoba, Musoma, Geita, Tabora, Simiyu etc. with free shipping and no any cost may a customer incur when ordering an equipment. 10. Delivery time is three working days.		
PAYMENT METHOD	1. Payments are done by Cash, Electronic Transfer and Bank Account Delivery via NBC Account No. 046201114160; Nyanza Road Branch – Mwanza		

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